

Gamma Irradiation  
of Dried Urokinase Suspended in PPG400

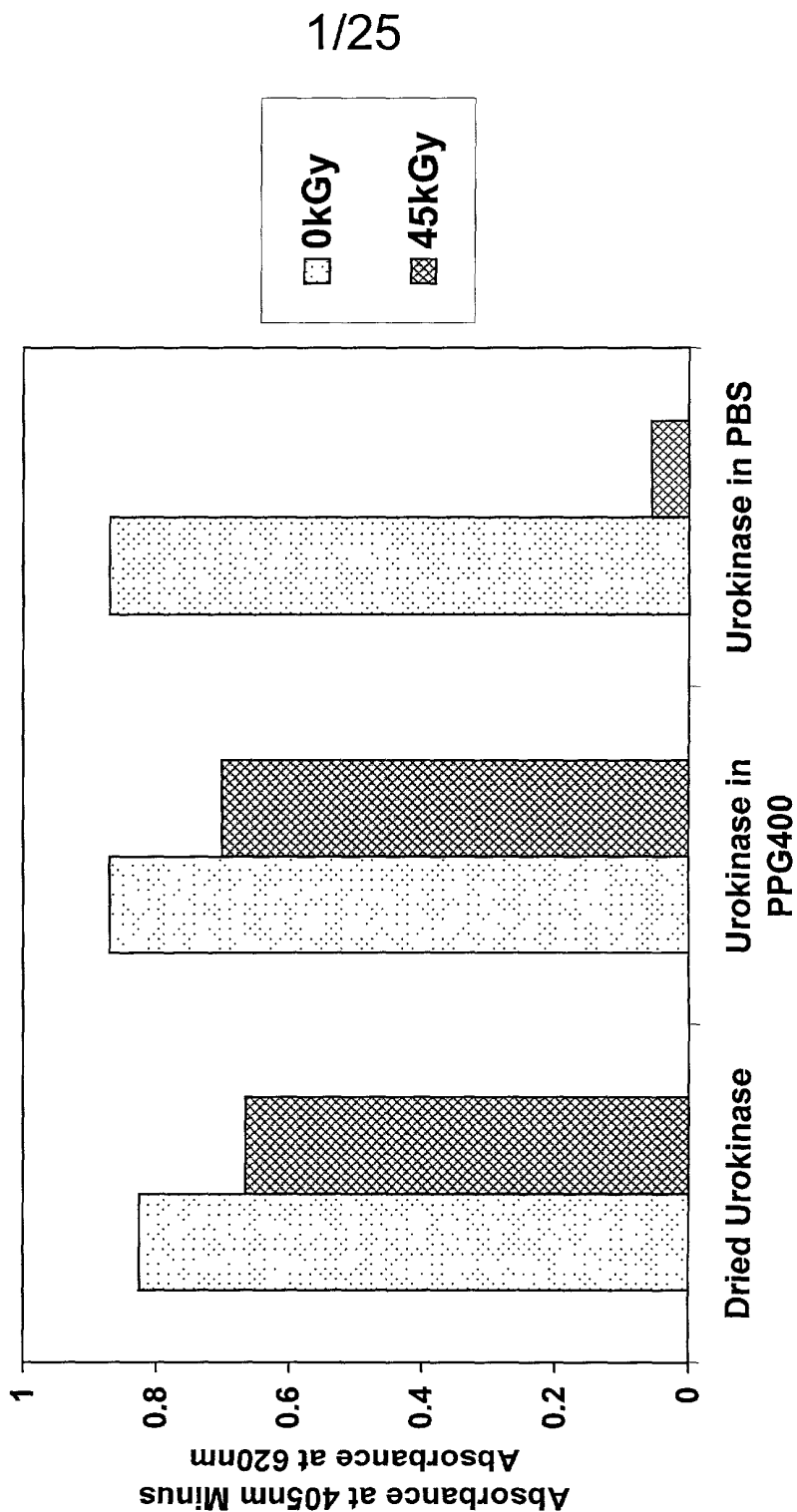


FIG. 1

Gamma Irradiation of Immobilized Monoclonal  
Antibody in the Presence of Various PPGs

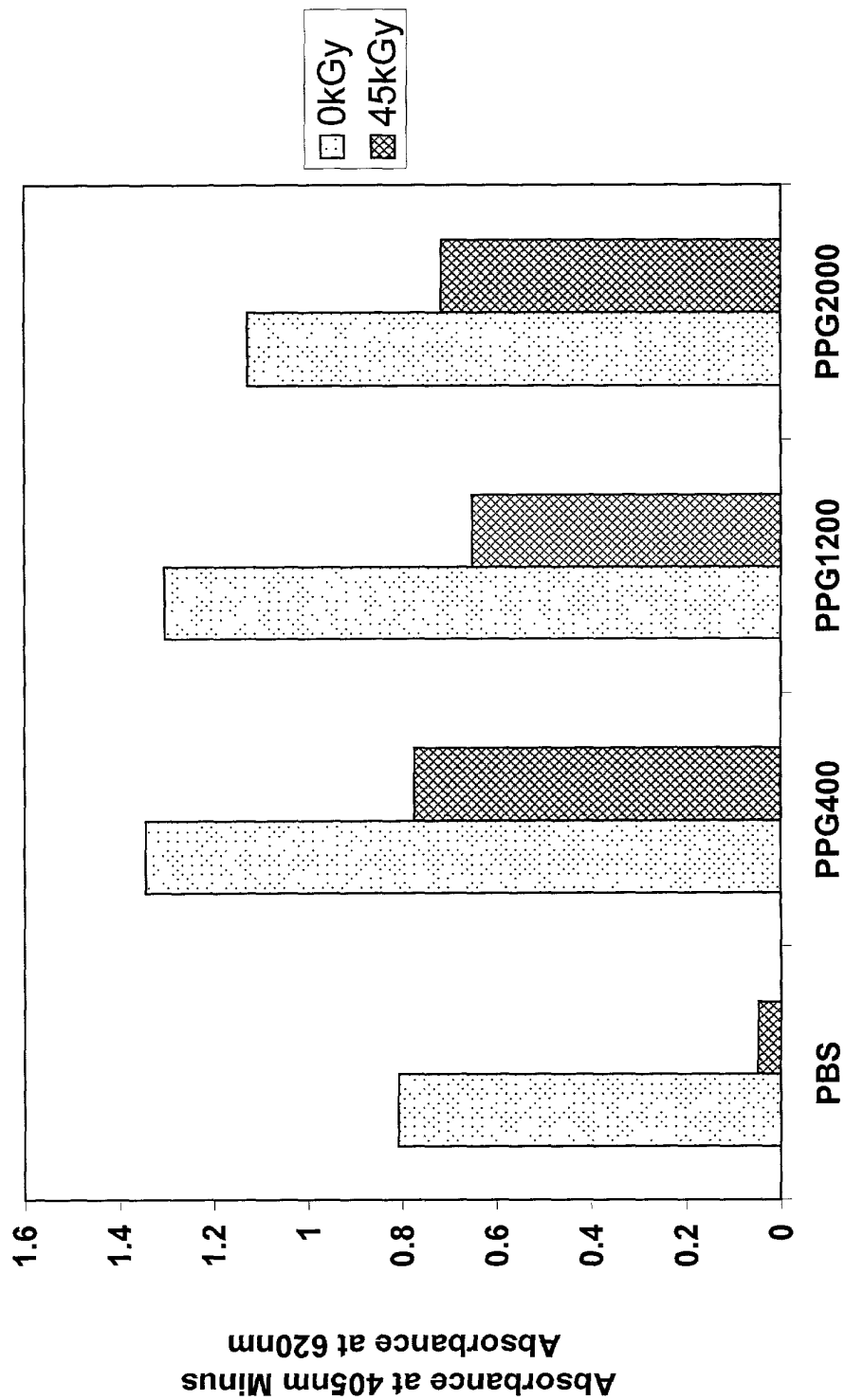


FIG. 2

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Gamma Irradiation of Trypsin In the Presence of  
Increasing Amounts of Added Moisture

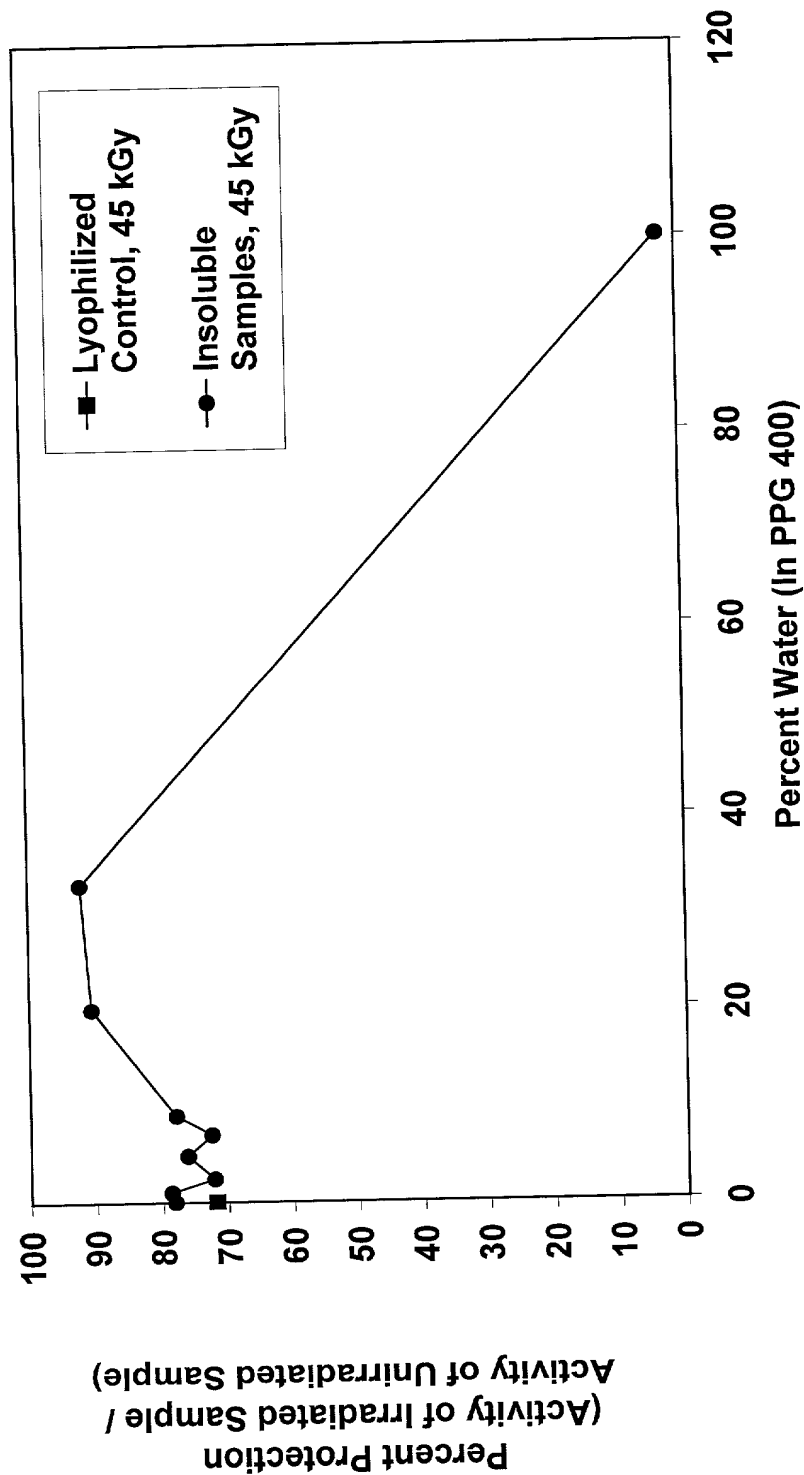


FIG. 3

Gamma Irradiation of Hydrolyzed Heart Valve  
Cusps in the Presence of PPG 400

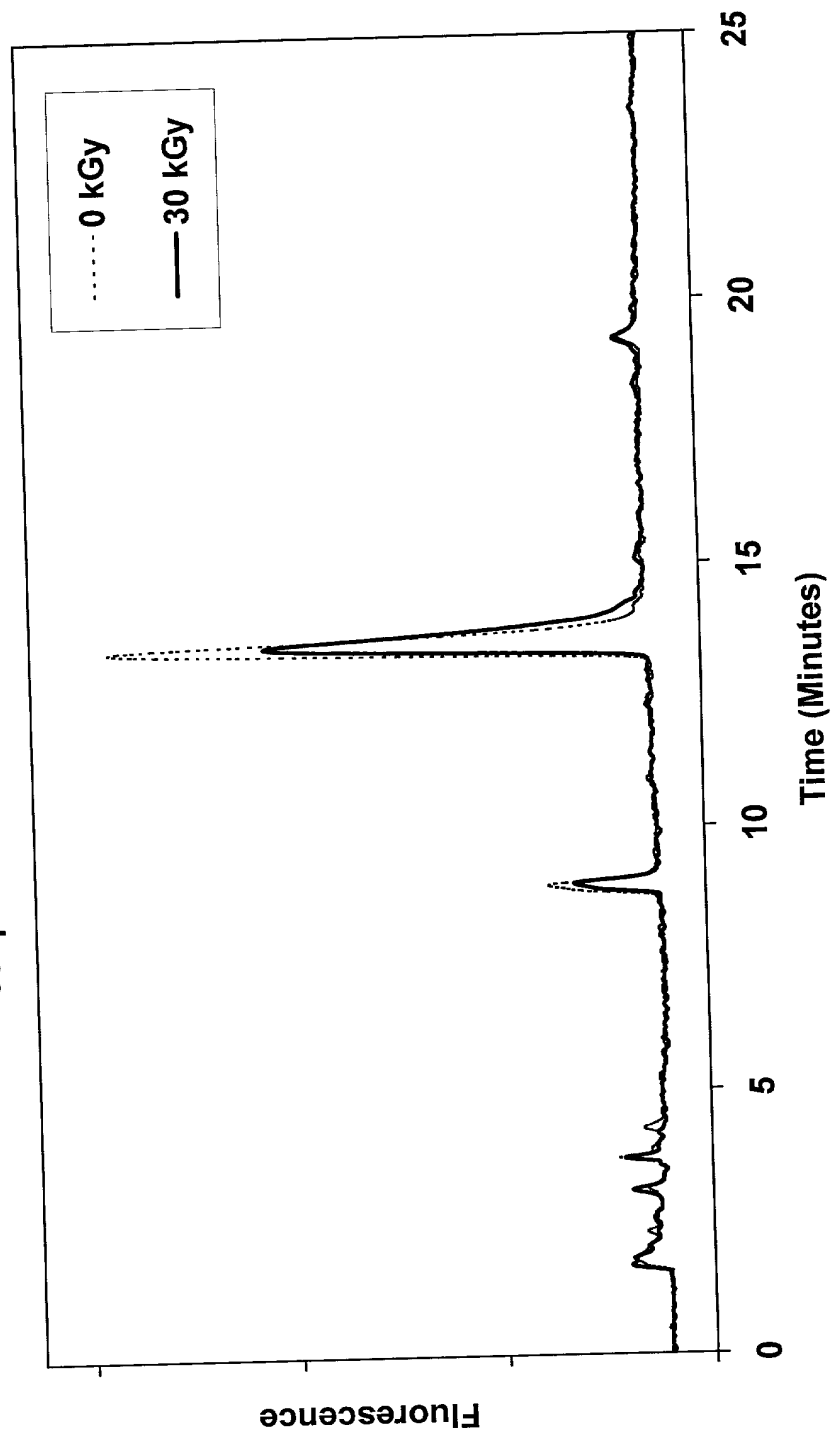


FIG. 4A

# Gamma Irradiation of Hydrolyzed Heart Valve Cusps in the Presence of PPG 400 and 125 mM Trolox C

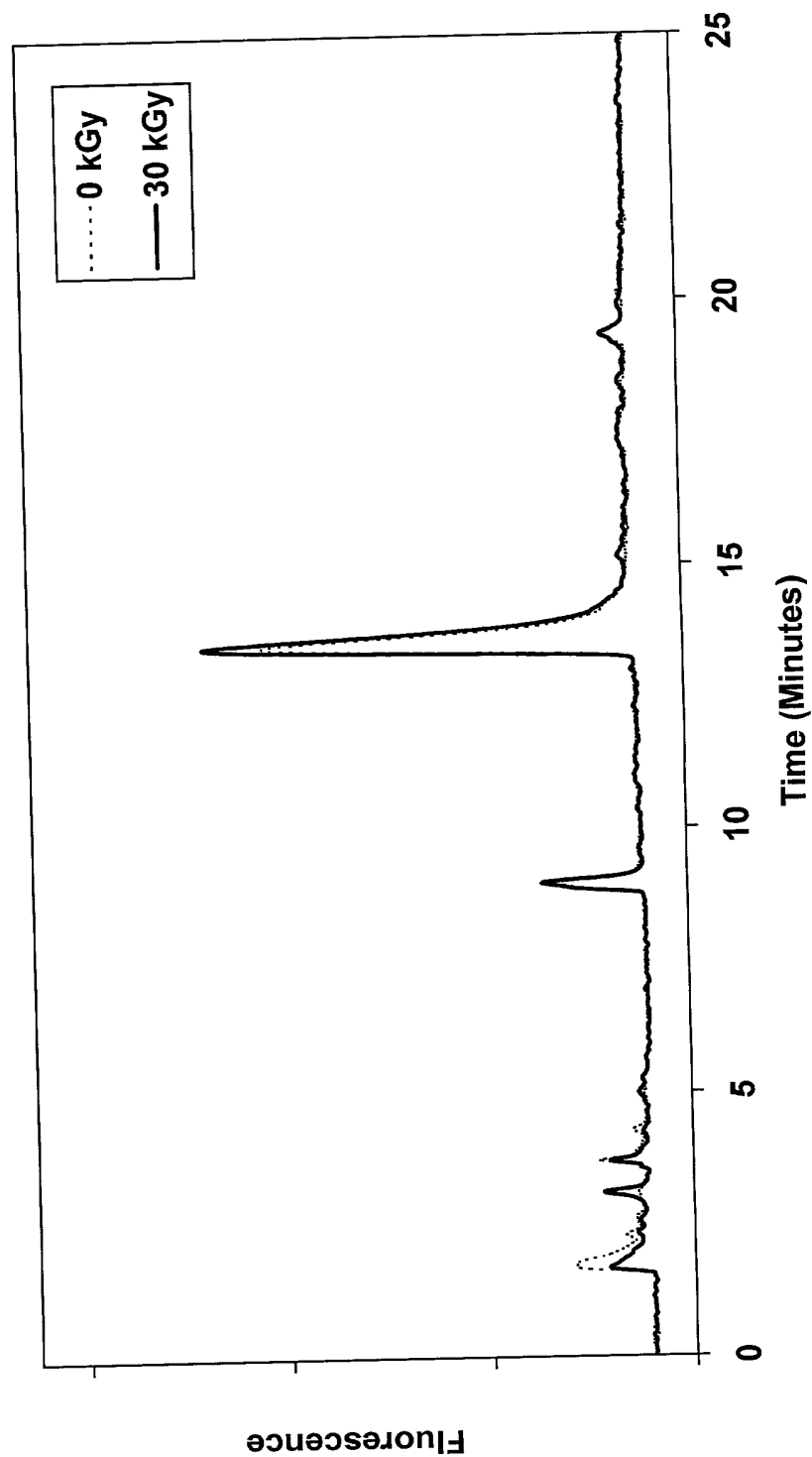


FIG. 4B

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Gamma Irradiation of Hydrolyzed Heart Valve Cusps in the Presence of PPG 400  
and a Stabilizer Mixture of 62.5mM Trolox, 100mM Lipoic Acid,  
100mM Coumaric Acid, and 100mM n-Propyl Gallate

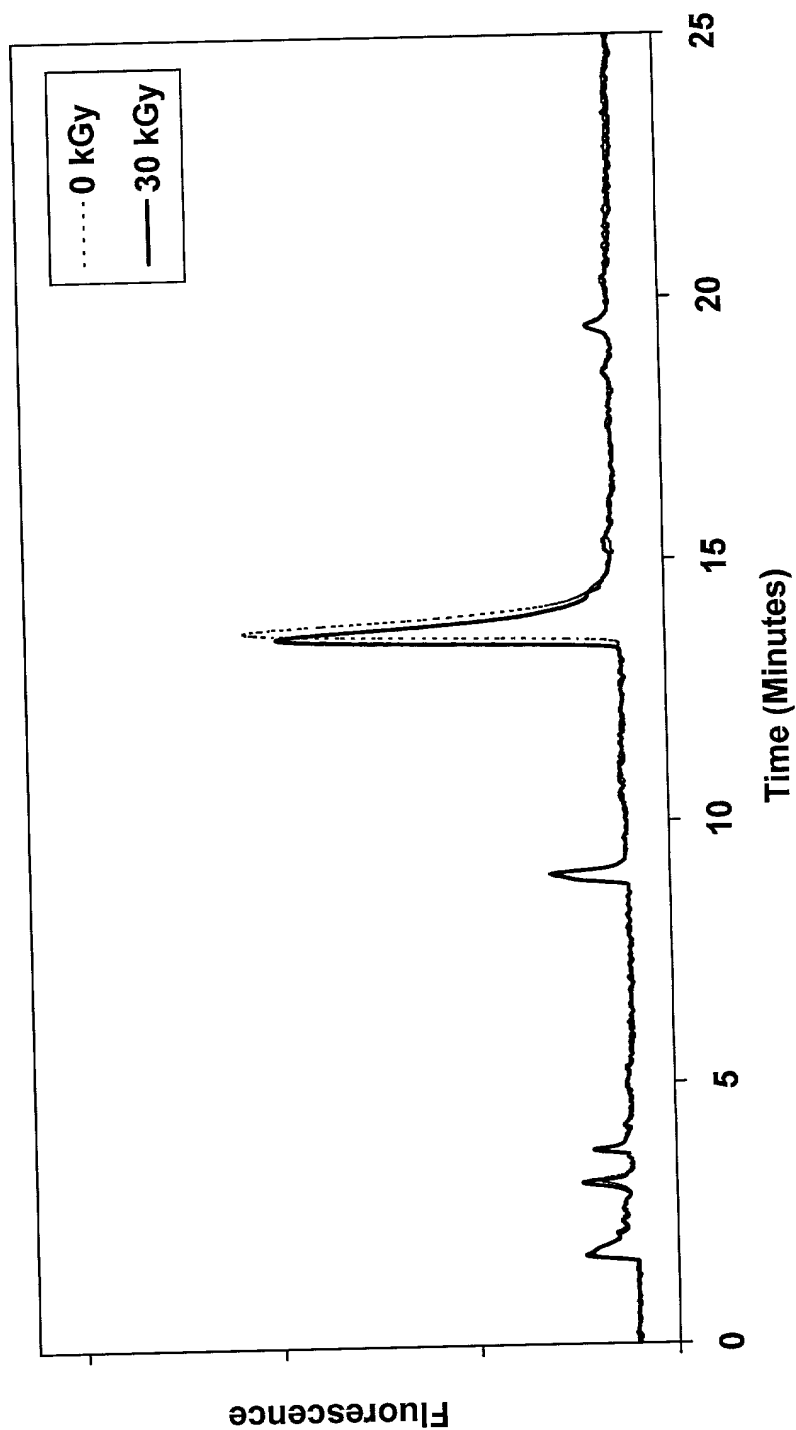


FIG. 4C

# Gamma Irradiation of Porcine Heart Valve Cusps in the Presence of PPG400 with Various Stabilizers

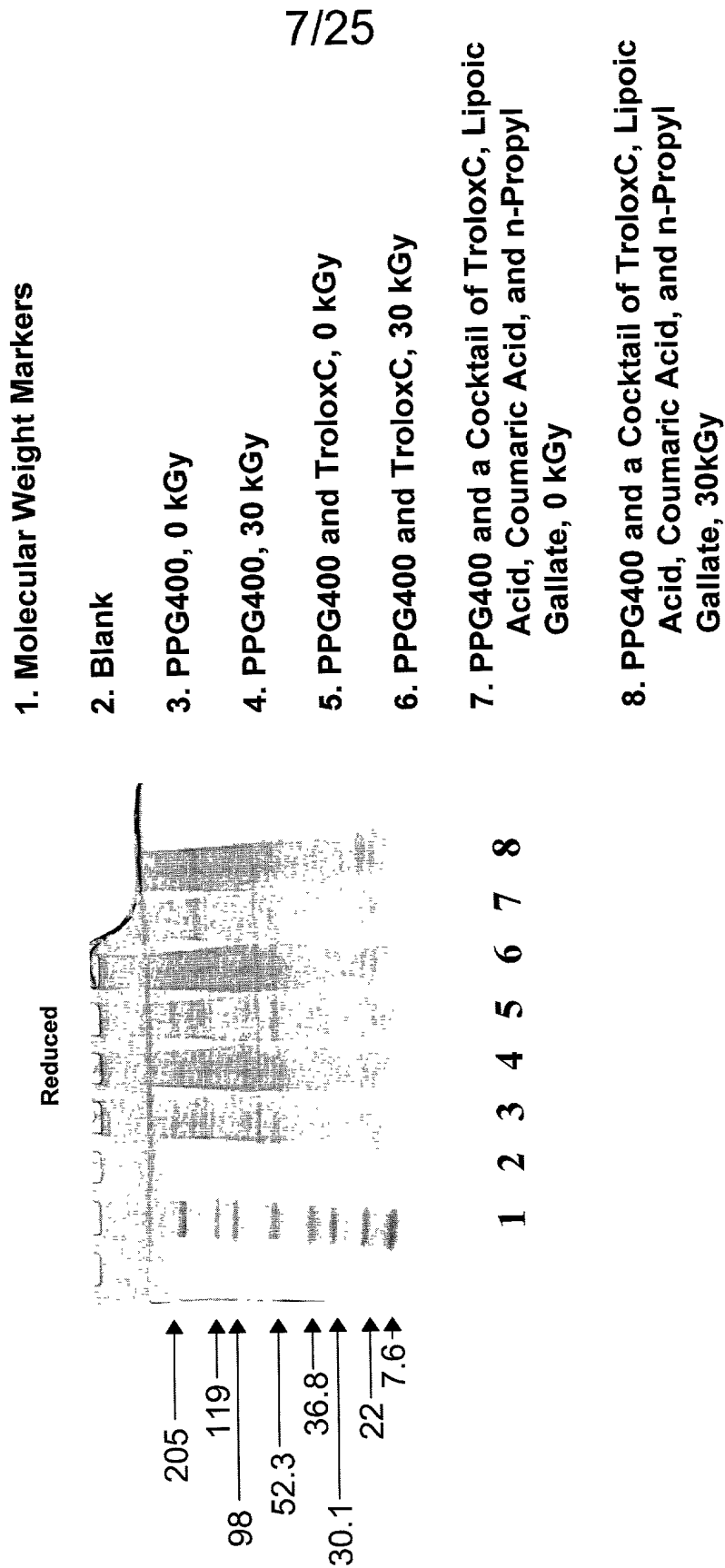


FIG. 4D

# Gamma Irradiation of Hydrolyzed Heart Valve Cusps in the Presence of PBS

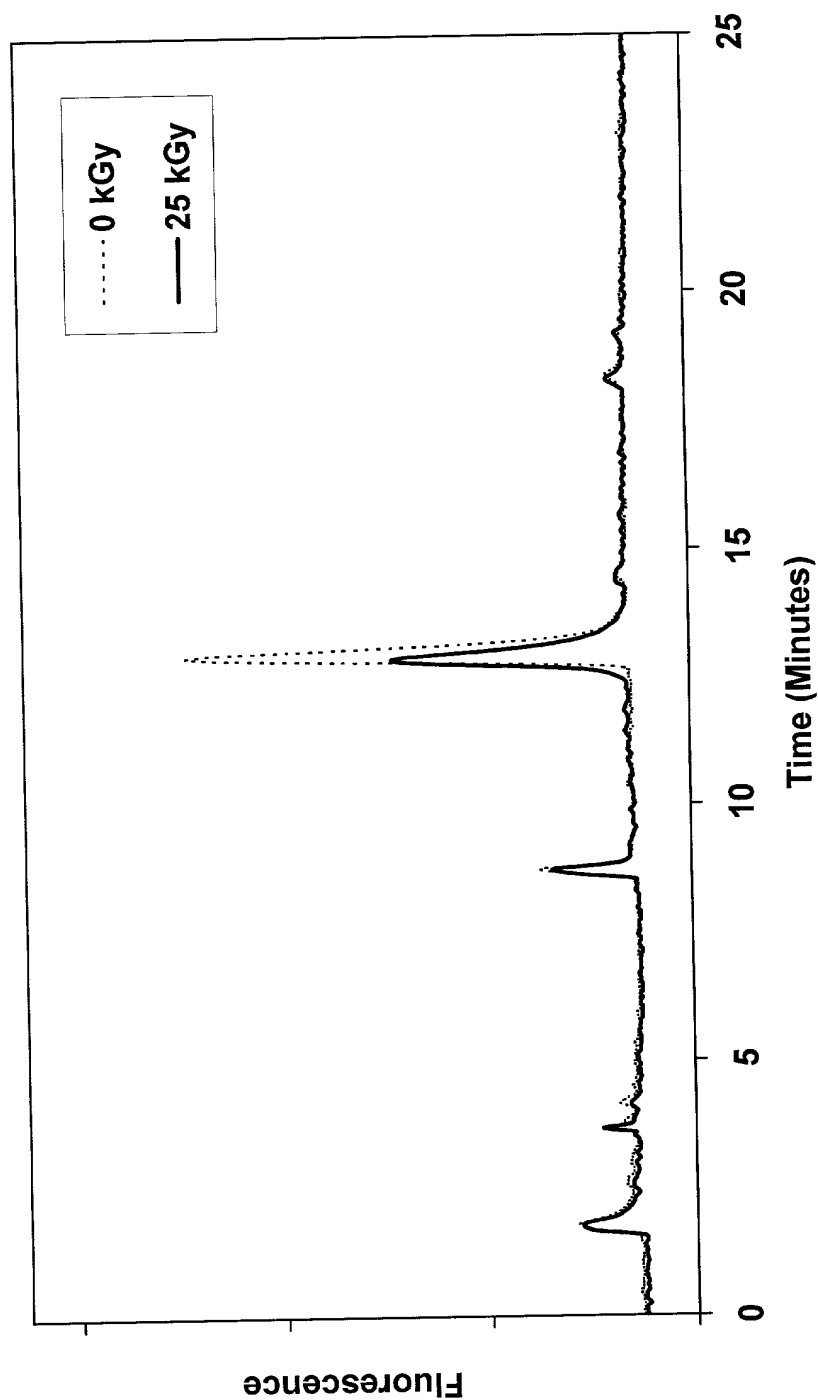


FIG. 5A





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Gamma Irradiation of Hydrolyzed Heart Valve  
Cusps in the Presence of PPG 400

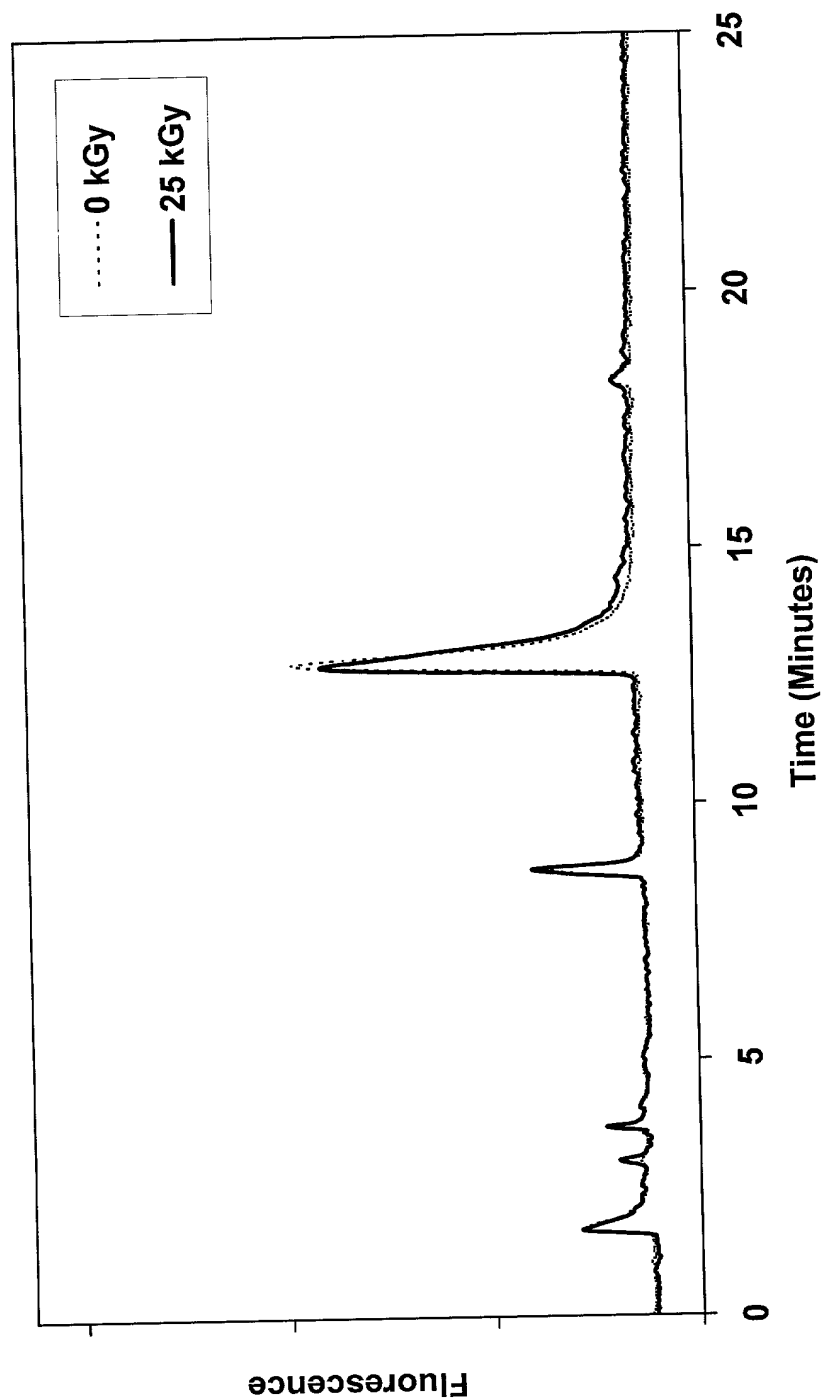


FIG. 5B

Gamma Irradiation of Hydrolyzed Heart Valve  
Cusps in the Presence of 50% DMSO

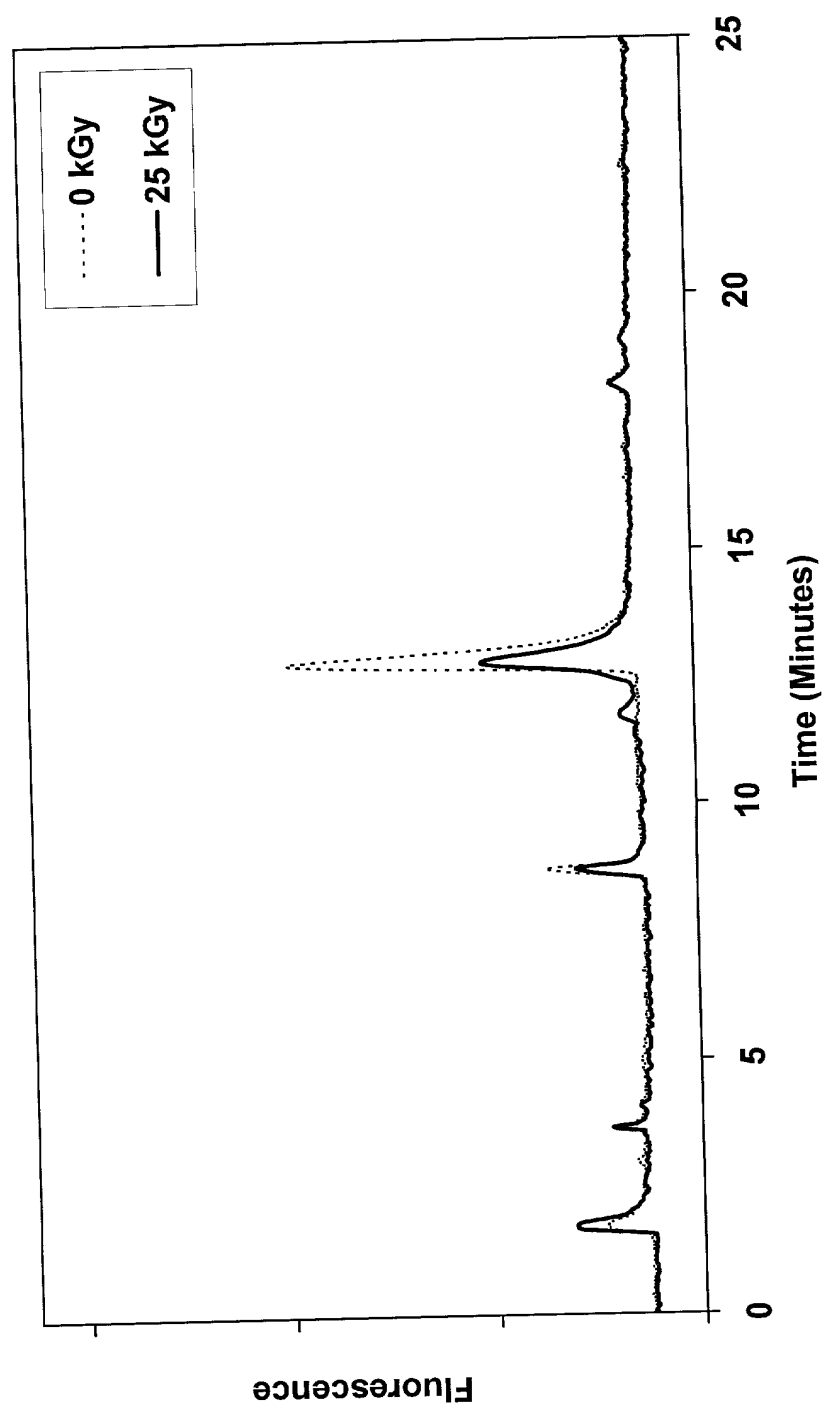


FIG. 5C

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Gamma Irradiation of Hydrolyzed Heart Valve Cusps in the Presence of 50%  
DMSO and a Stabilizer Mixture of 167 mM Ascorbate, 166 mM Coumaric  
Acid, and 100 mM n-Propyl Gallate

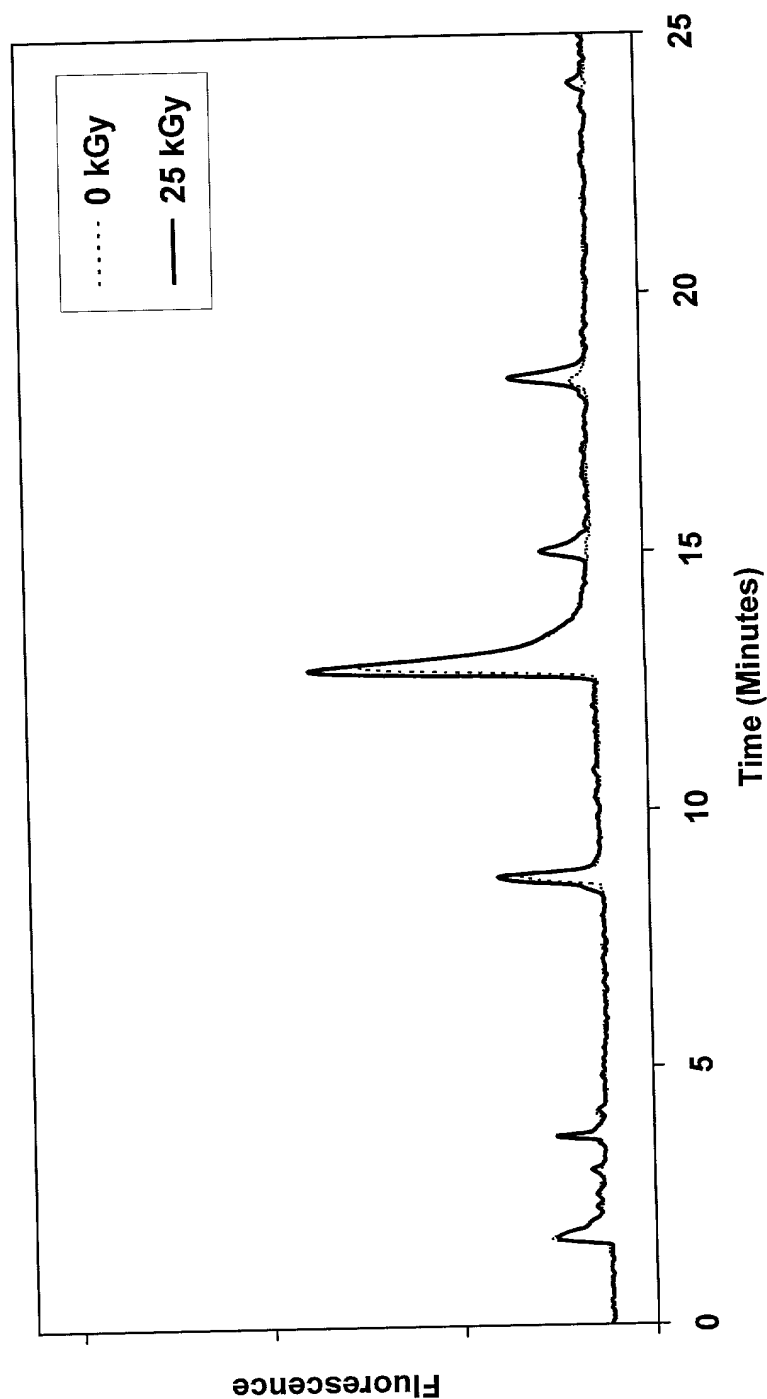


FIG. 5D

# Gamma Irradiation of Porcine Heart Valve Cusps in the Presence of Various Solvents

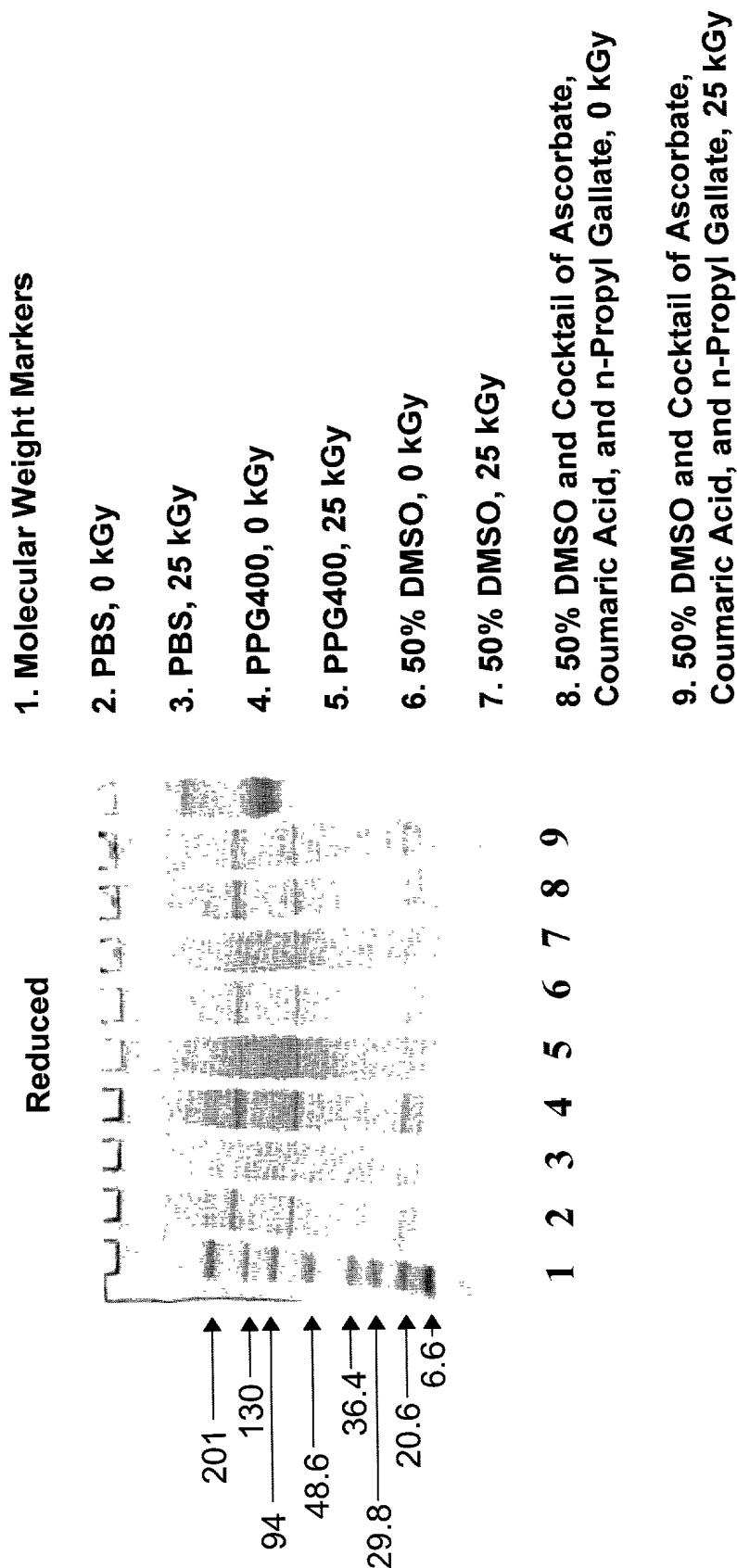


FIG. 5E

# Gamma Irradiation of Hydrolyzed Heart Valve Cusps in the Presence of PBS

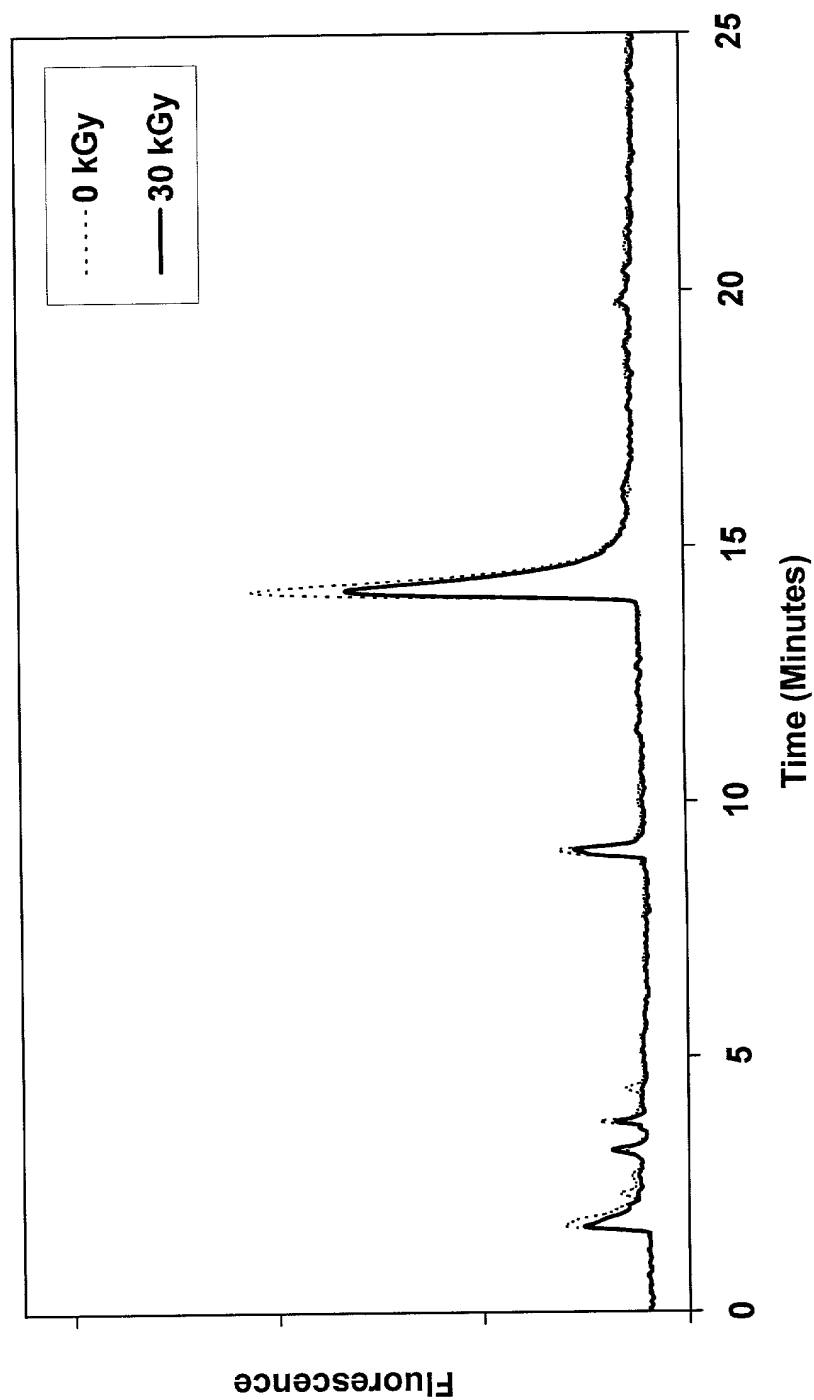


FIG. 6A

Gamma Irradiation of Hydrolyzed Heart Valve Cusps in the Presence of a Cryopreservative (Containing Approximately 20% DMSO)

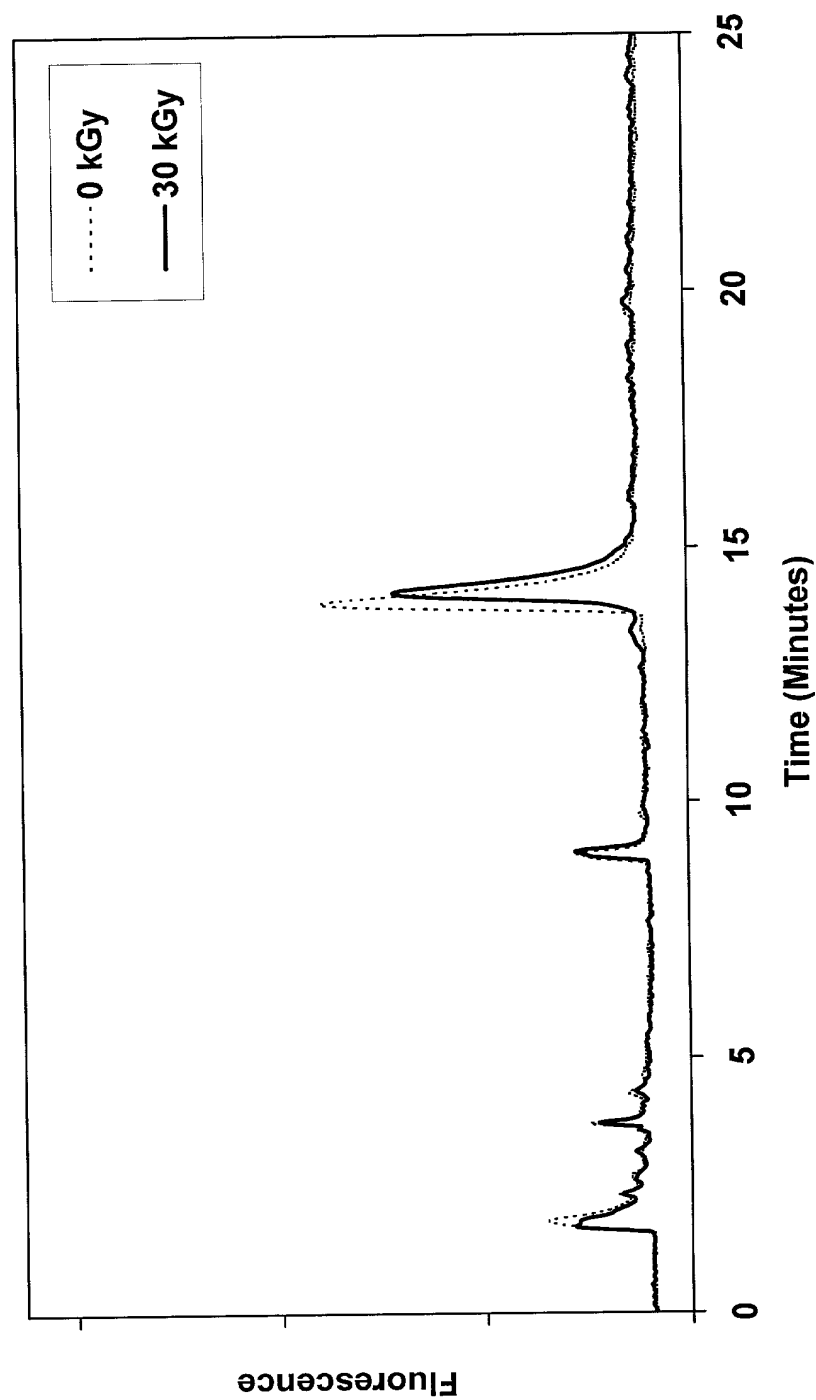


FIG. 6B

Gamma Irradiation of Hydrolyzed Heart Valve  
Cusps in the Presence of 50% DMSO

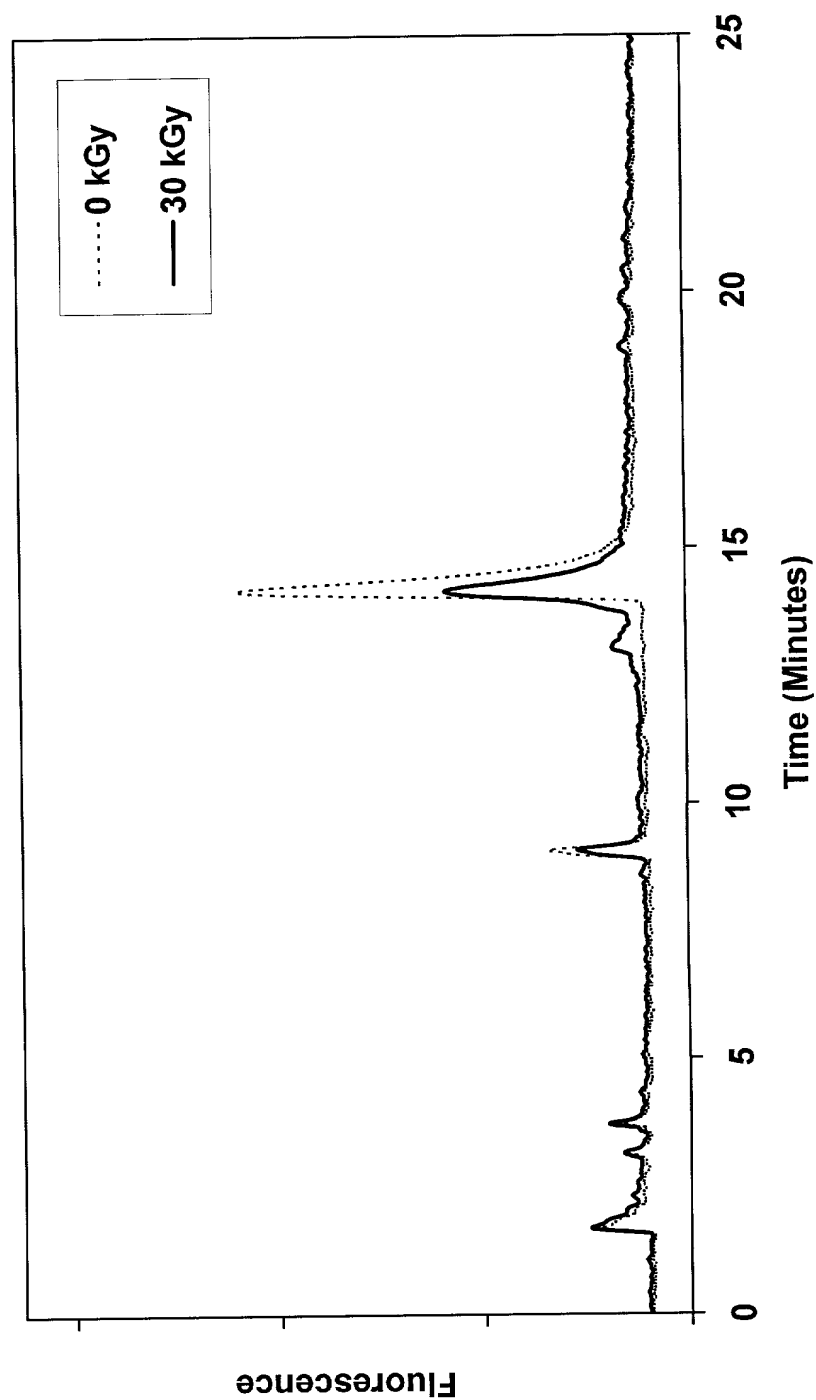


FIG. 6C

Gamma Irradiation of Hydrolyzed Heart Valve Cusps in the  
Presence of 50% DMSO and Ascorbate

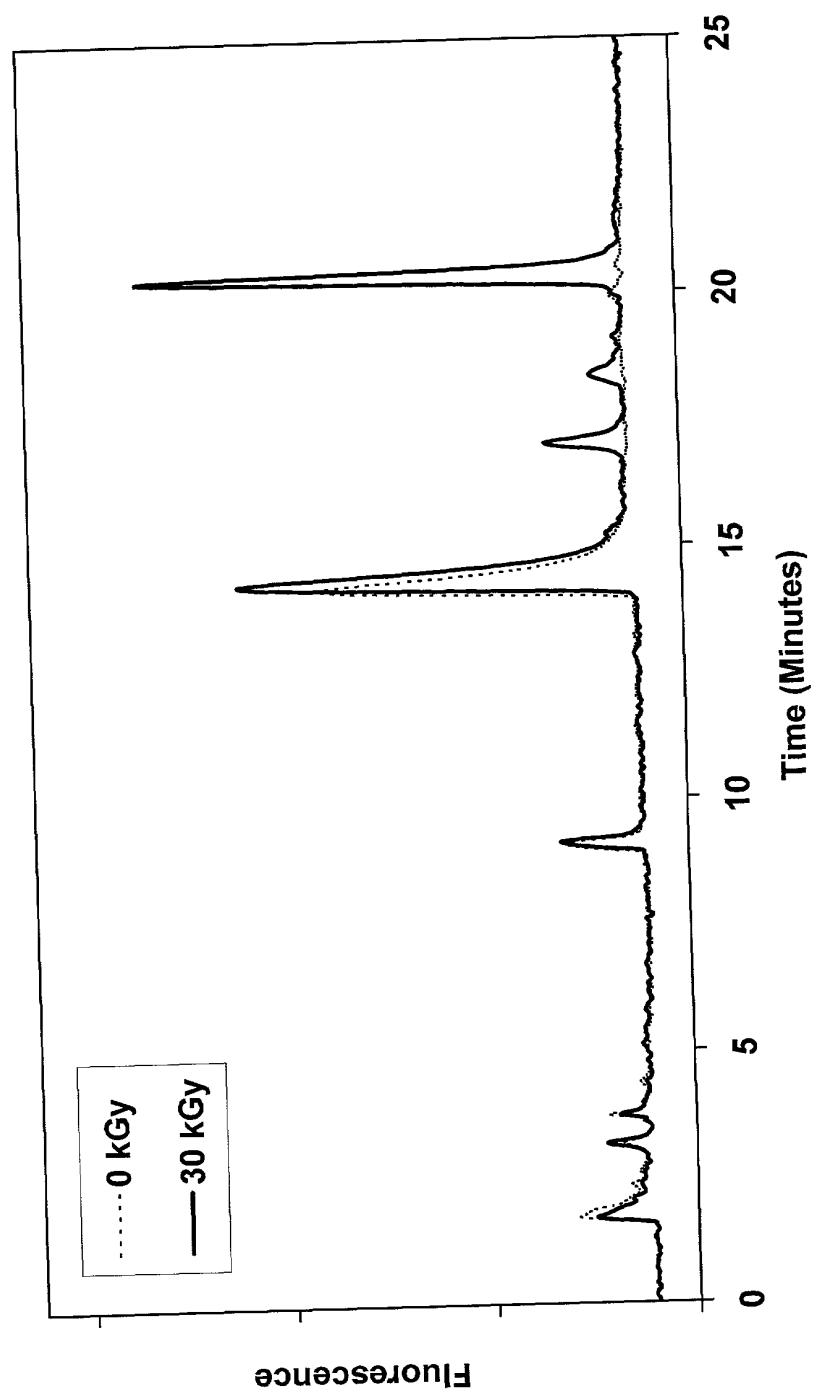


FIG. 6D



Gamma Irradiation of Porcine Heart Valve Cusps in the Presence of Various Solvents

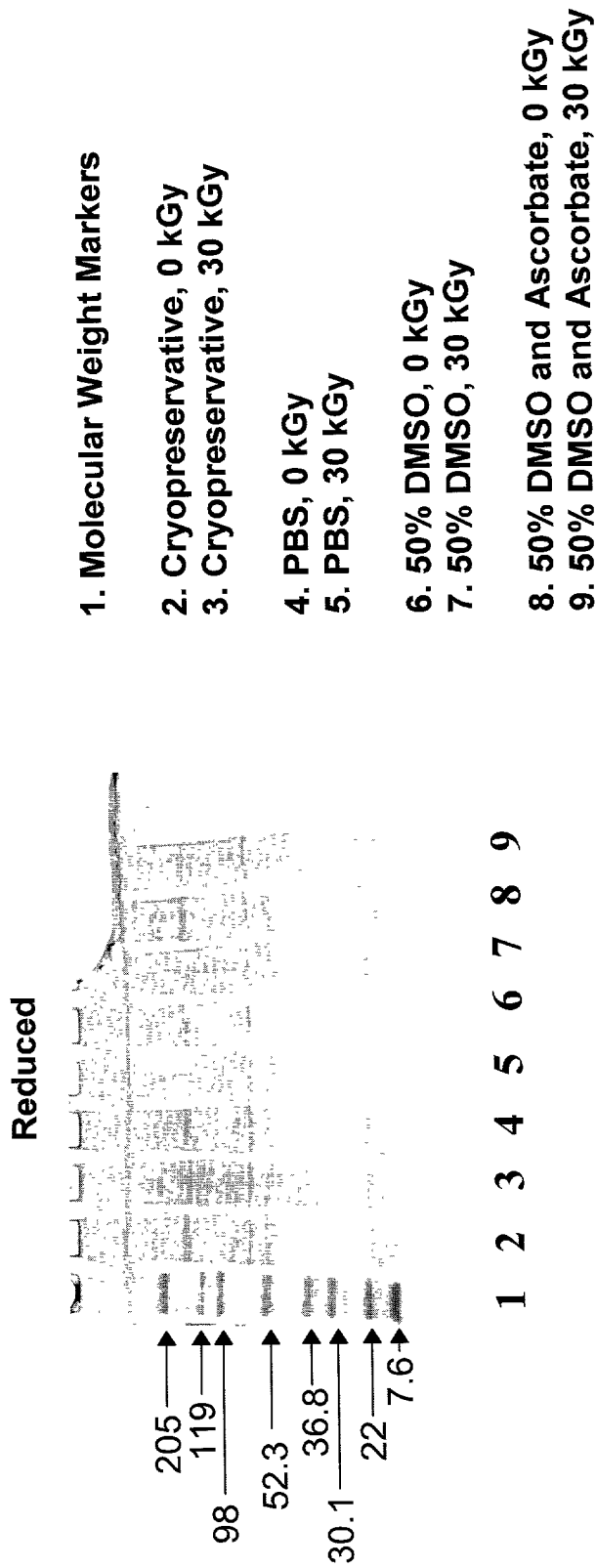


FIG. 6E

# Gamma Irradiation of Hydrolyzed Heart Valve Cusps in the Presence of PBS

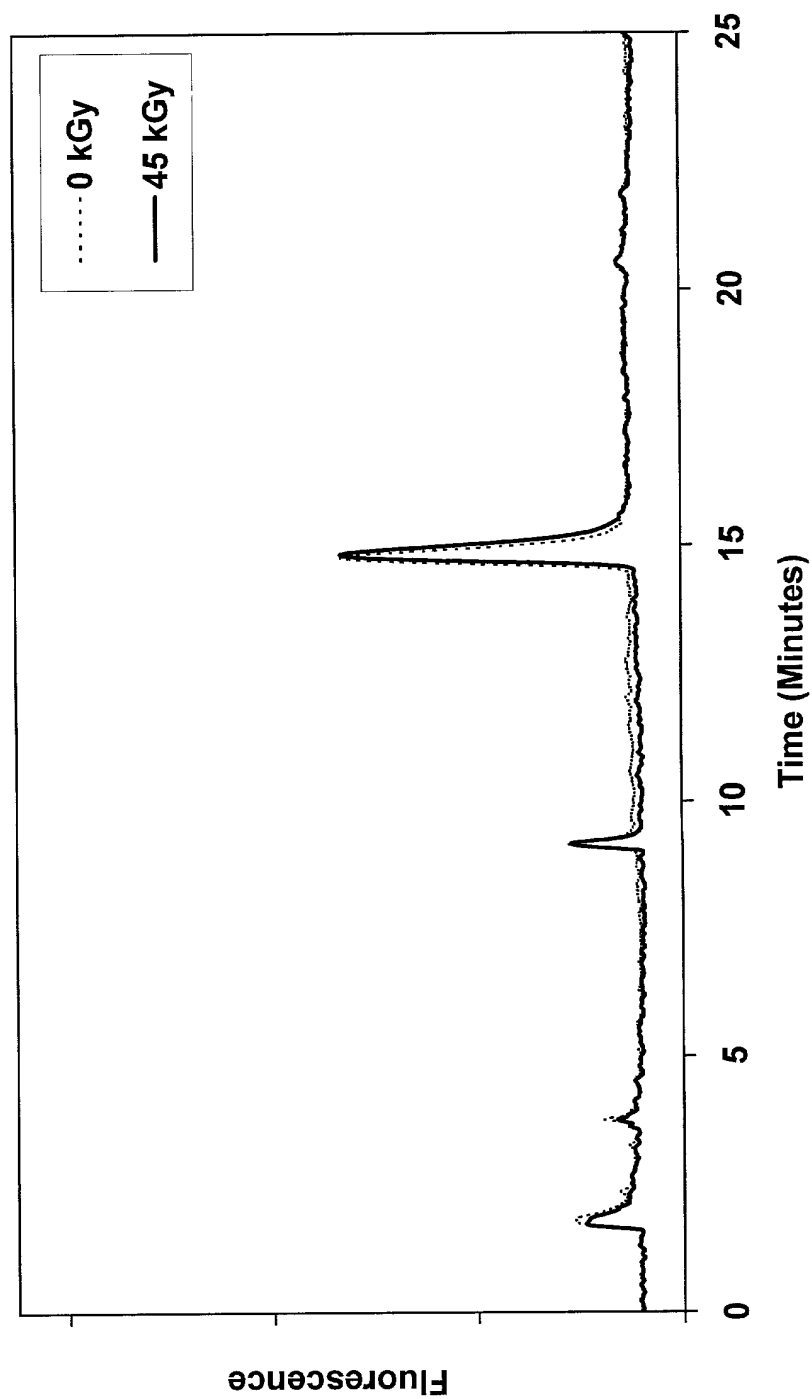


FIG. 7A

# Gamma Irradiation of Hydrolyzed Heart Valve Cusps in the Presence of PBS and Ascorbate

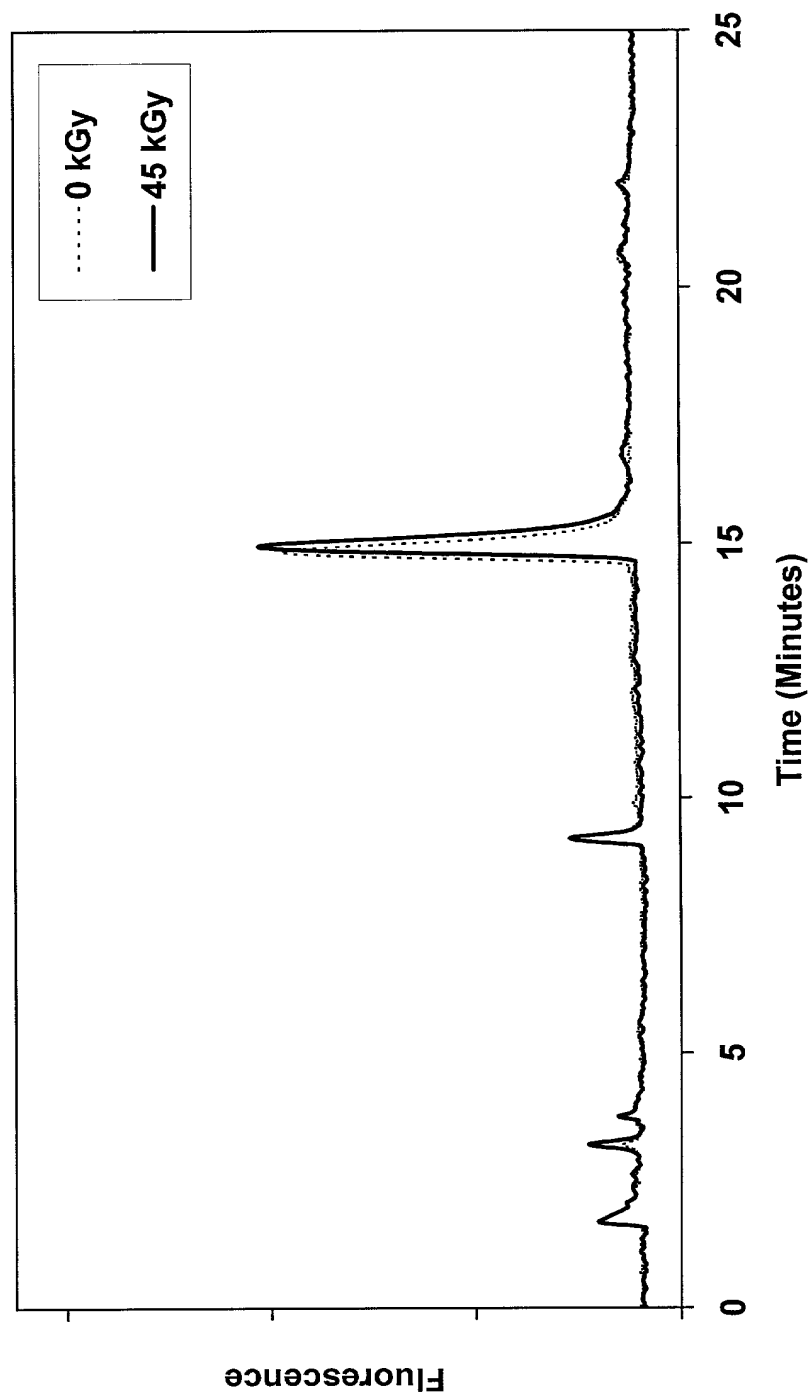


FIG. 7B

Gamma Irradiation of Hydrolyzed Heart Valve Cusps  
in the Presence of PPG 400

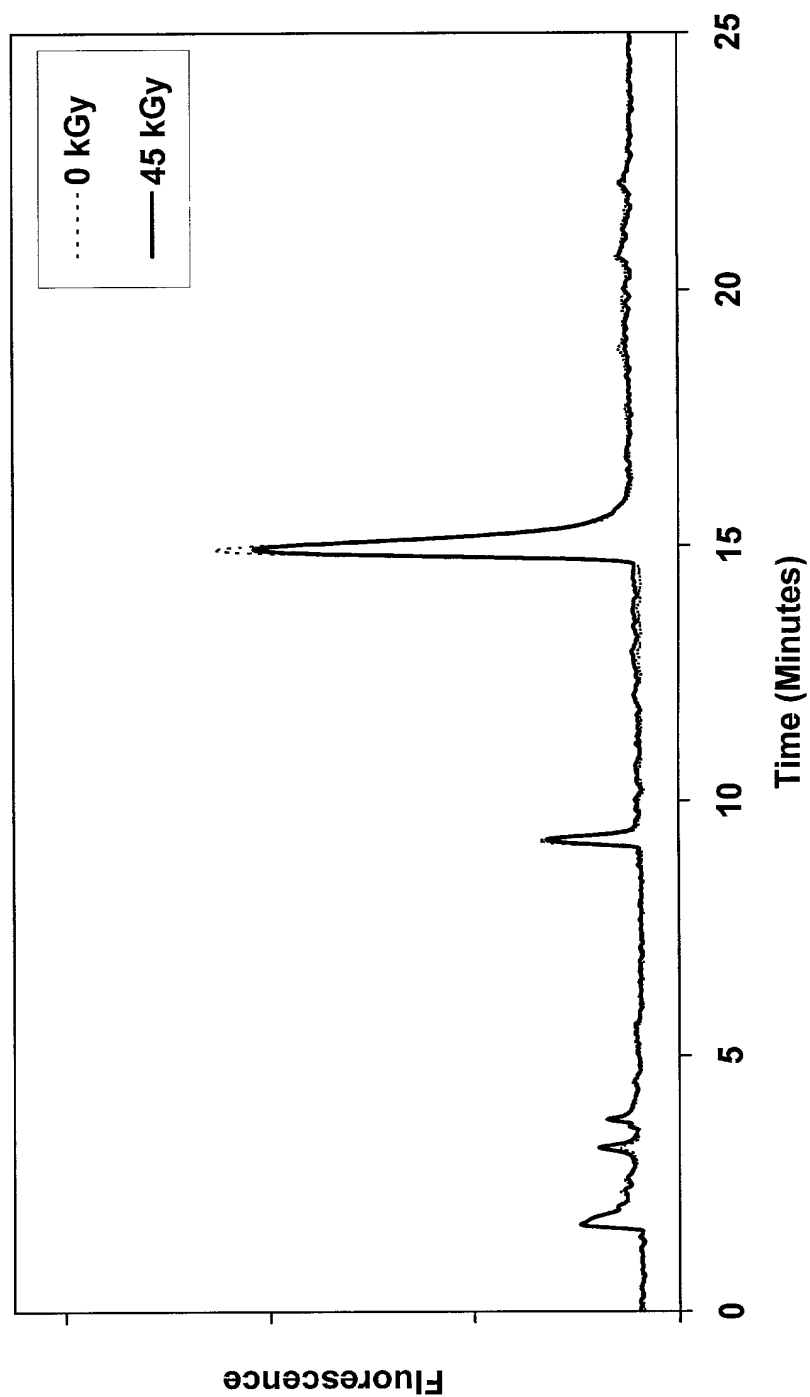


FIG. 7C

Gamma Irradiation of Hydrolyzed Heart Valve Cusps Dehydrated with PPG  
400 and Rehydrated in the Presence of PBS and Ascorbate

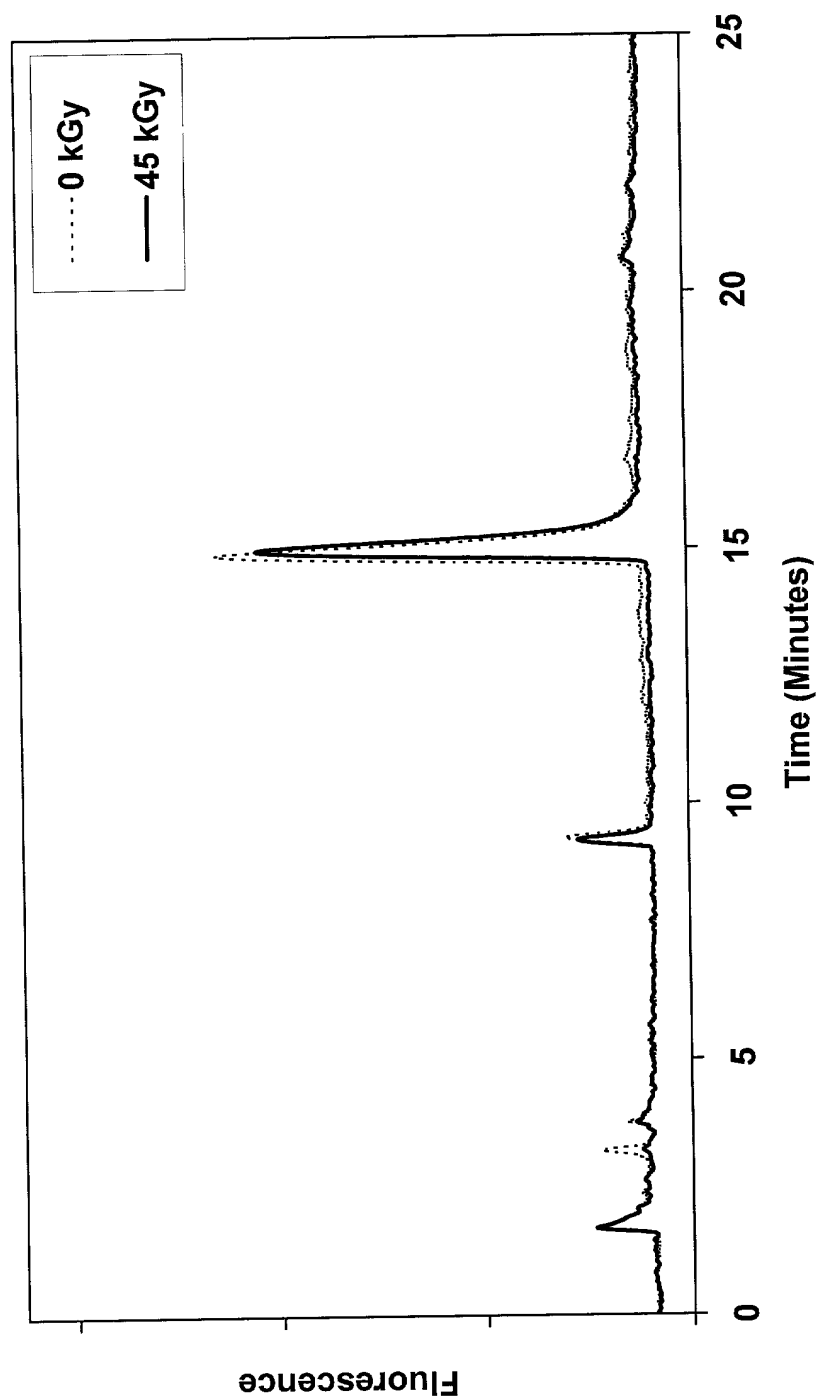


FIG. 7D

# Gamma Irradiation of Hydrolyzed Heart Valve Cusps in the Presence of 50% DMSO

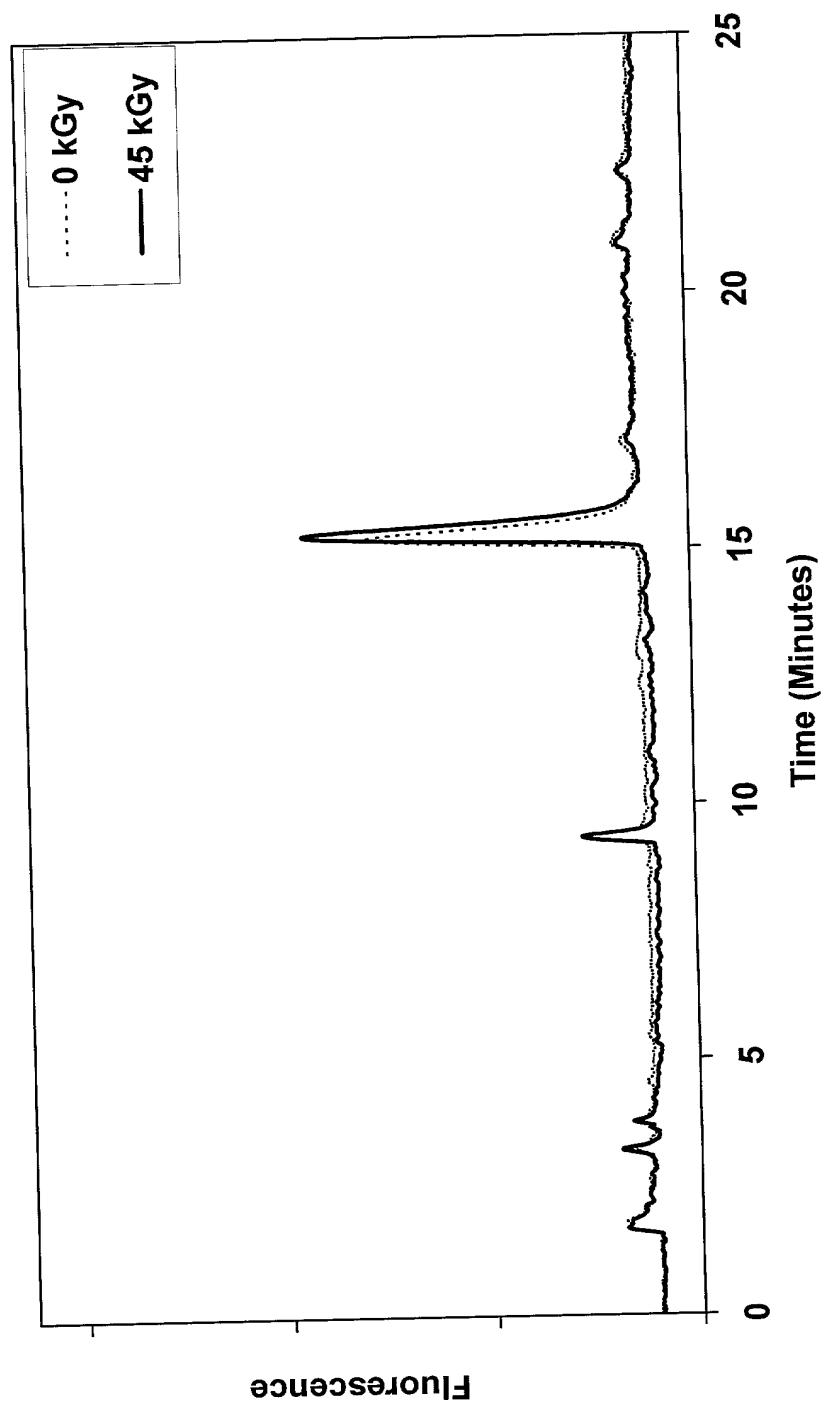


FIG. 7E

# Gamma Irradiation of Hydrolyzed Heart Valve Cusps in the Presence of 50% DMSO and Ascorbate

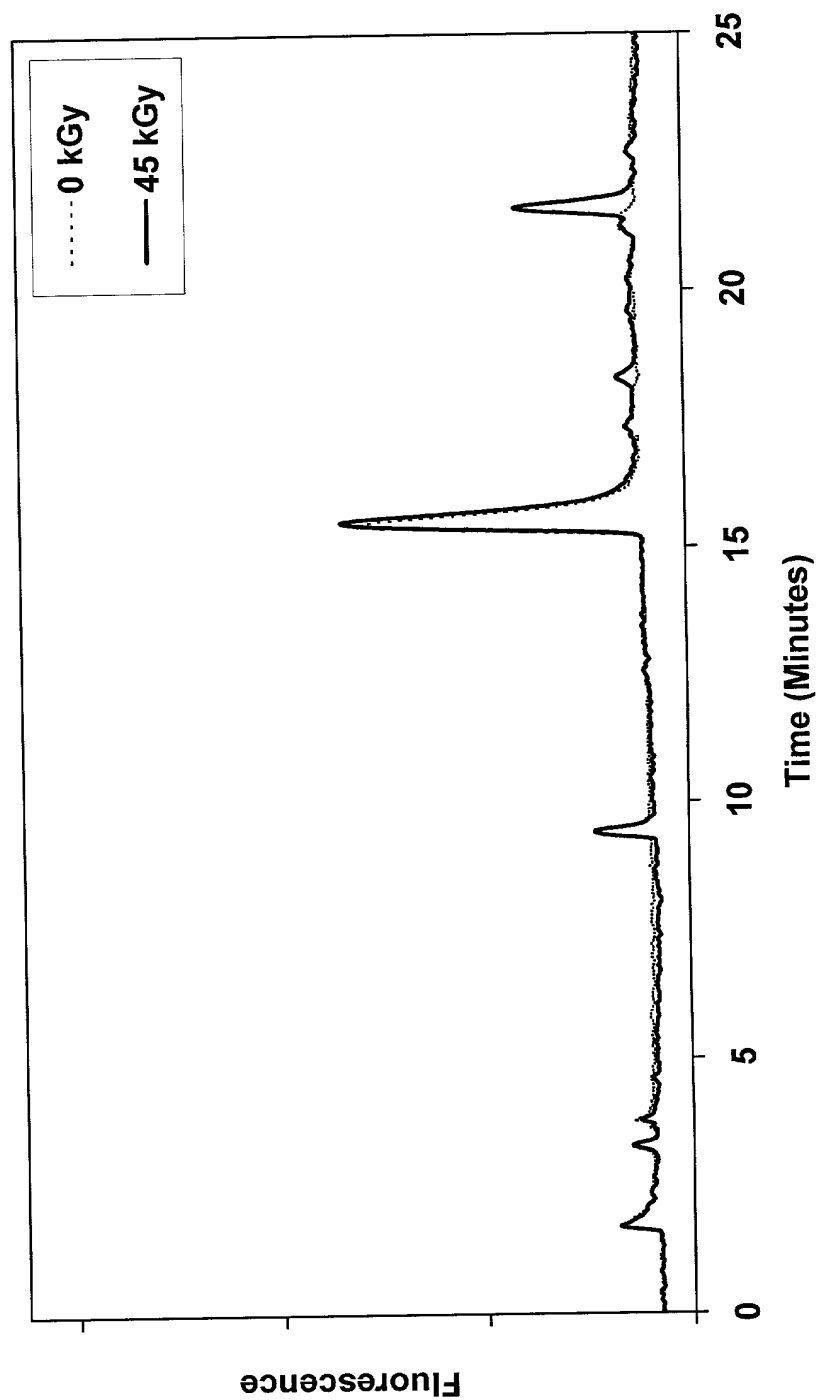


FIG. 7F

# Gamma Irradiation of Porcine Heart Valve Cusps in the Presence of Various Solvents

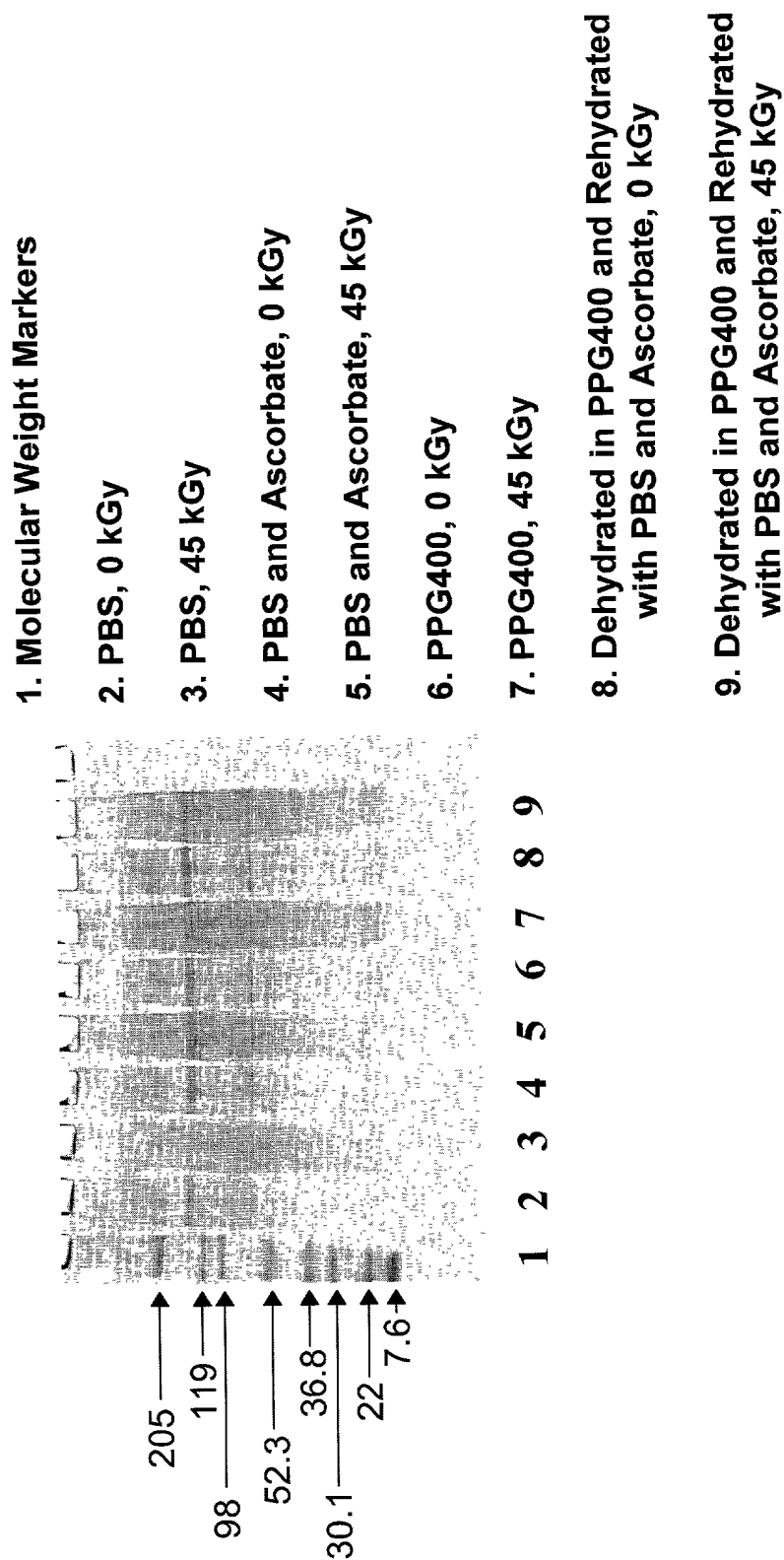
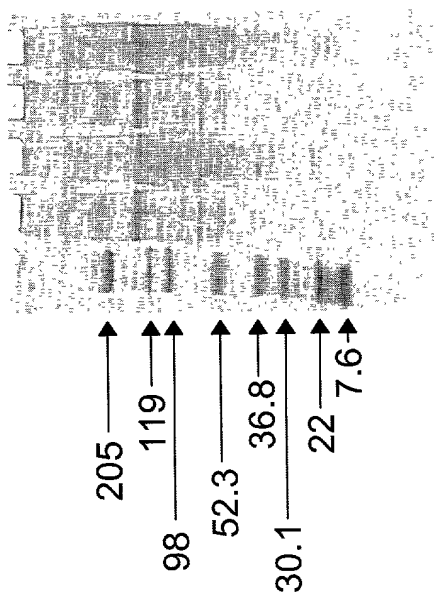


FIG. 7G





- 1. Molecular Weight Markers
- 2. 50% DMSO, 0 kGy
- 3. 50% DMSO, 45 kGy
- 4. 50% DMSO and Ascorbate, 0 kGy
- 5. 50% DMSO and Ascorbate, 45 kGy

FIG. 7H